Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Bill Type: 1st & Final Bill (For Other Works) Date.....2022

Zone: BBMP, Yelahanka Division: BBMP, Byatarayanapura Sub-Division: Kodigehalli

Bill Received No Dated Divisional

Sub-Divisional

Cash Book Voucher No.....Dated.....

Schedule Docket No Head of Account: P3602 Special Development Works Job Code: 008-20-000052

Est.Cost: Rs.75.00 Lakhs INDENT NO: 43733

Name of Work :Development works in Sahakaranagara and Tatanagara park and other allied works in ward no. 8, Kodigehalli

Name of Contractor and Full Address: Sri B.Chandrashekar, No 28, Anjaneya Swamy Layout, 1st Main Road, Thindlu, Vidyaranyapura (Post), Bangalore 56009

Reference to Agreement No BBMP/EE/BTP/WO/200/2020-21 Date: 08.03.2021

Certified that the measurements were taken by me on: 30.06.2022 and recorded of Pages 497668 to 497675 of measurement Book No 4977 / 2018-19 and that work is satisfactorily executed.

Contractor

Certified that measurement were taken by me on 30.06.2022 and found correct. The work is satisfactorily executed.

Officer-in-charge of work

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer
Sub-Division Office
Kodigehalli Sub Division
BBMP, Bangalore

1) Total value of work done or supplies made as per account within

2) Deduct amount to be held in reserve being.....Percent Rs.....

3) .. Balance

4) Deduct Payment:

a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....

adjusted towards cash advance recovery of

b) Payments cost store or other material supplied.

Now made recovery of amount creditable to this /other work

Amount paid on this bill Cheque/Cash.

5) Balance being unpaid value of work done held in reserve.

6) Deduct cash advance made on the Office cash Book Voucher No.....

dated .....less adjustments.

7) Net amount due to or from Contractor

unadjustments items.

8) Advance to Contractor for materials brought to site (as detailed) within

9) Value of Government materials supplied

1st & final →

TTB	7698000	00
It	76980	00
CGST	68732	00
SGST	68732	00
CESS	76980	00
CBF	7698	00
LR	65248	00
Fine	3630	00
Ded	368000	00
Net Payable	7330000	00

Total Amount Adjusted -

Received Rs .....(in words)... Contractor's Signature

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1

2

Dated Signature of Contractor

Paid by me by Cheque No .....Dated.....

Cash Rs .....

Dated.....

Initials of Officer making payment

Stamp

P3602

Head of Account..Special development Works @ ward

Bill Passed for Rs..7698000/-

Statutory Deductions Rs..368000/-.....By Adjustment

Net Amount Paid Rs..7330000/-.....By NEFT/RTGS

C/W 19/8/22

Account Superintendent
Byatarayanapura Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP
19/8

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications	cum
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications	cum
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications	cum
5	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum
6	Filling the foundations trenches using approved sand as per drawing and technical specifications in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications.	cum
7	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.	Sqm
8	Providing Granite benches	No.
9	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation.	Sqm
10	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms including cost of all materials cutting, bending scaffolding wherever necessary, finely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of primer painting (excluding cost of earthwork and concrete)	m
	Providing and fixing M.S. block pipe of 38mm dia. of heavy guage of 14 including removing the existing cutting the pipe and fixing pipe in between the existing two verticle poles (M.S. angular poles) and spot welding the chain link with M.S. block pipe including cost of all materials, wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the Engineer incharge of work etc., complete including two coats of approved quality paint over one coat of shop paint	m

Previous Measurement			Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Amount	Qty	Rate Rs. P.	Amount	Qty	Cost
-	-	-	749.64	248.5	186285.54	749.64	186285.54
-	-	-	38.55	5665.89	218420.06	38.55	218420.06
-	-	-	35.82	5090.99	182359.26	35.82	182359.26
-	-	-	21.18	6073.52	128637.15	21.18	128637.15
-	-	-	15.38	5851.98	90003.45	15.38	90003.45
-	-	-	172.50	3366.30	580686.75	172.50	580686.75
-	-	-	615.00	1166.41	717342.15	615.00	717342.15
-	-	-	15.00	10972.50	164587.50	15.00	164587.50
-	-	-	33.00	3336.39	110100.87	33.00	110100.87
-	-	-	189.80	951.51	180596.59	189.80	180596.59
-	-	-	474.00	451.94	214219.56	474.00	214219.56

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
12	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm
13	Providing precast slabs of 100mm thick including cost of all materials, labour, curing, transportation, loading, unloading etc., complete as per the direction of the Engineer in charge opf the work	Sqm
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete	No.
15	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	sqm
16	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications	Sqm
17	Supplying and fixing of children multi rquipment with curved slide and number panel: upright structural posts of hright 4m,2.7m 3.3m schedule HOT DIP galvanized steel with a114 mm OD and 2.2,, (wall) thickness of the tubing all matal components are to be finsihied with a backed on power coat finish with deck of size 1.45x1.45m and staicase of size 1.5mx0.77 m are fabricated from 2mm oerfirated solid punched steel deck permeter is precision pre punced for attachements deck are pressed punched and welded sand blaseted and vinyl plastic coated to a thickness of 4mm along with handrail if height 2.2m and dia 32mm shall be abn all robotic welded unit fabricated from 32 OD galvanzied steel pipes with backed on powercoating finish curved slide of size 1.94x1.85m x2.4m panels toprails of monkey loops of size 1.8mx1.3m deck if size 1.45x1.45 m are fabricated from 2mm perforated and welded sand blasted and vinyl plastic coated to a thickness of 4mm roof of size dia 2m and height 0.82m	Each
18 / 1	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of long bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.3 meters - Top 70mm and bottom 130mm dia	No.
19 / 2	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output.Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under	No.
20 / 3	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs

Previous Measurement			Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Amount	Qty	Rate Rs. P.	Amount	Qty	Cost
-	-	-	613.20	792.01	485660.53	613.20	485660.53
-	-	-	31.50	2442.17	76928.35	31.50	76928.35
-	-	-	1094.00	451.94	494422.36	1094.00	494422.36
-	-	-	221.04	40.98	9058.21	221.04	9058.21
-	-	-	221.04	94.15	20810.91	221.04	20810.91
-	-	-	1.00	2300353.28	2300353.28	1.00	2300353.28
-	-	-	11.00	5360.00	58960.00	11.00	58960.00
-	-	-	11.00	6400.00	70400.00	11.00	70400.00
-	-	-	230.00	150.00	34500.00	230.00	34500.00

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
21	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm	Mtrs
22	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs
23	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.1.5 sqmm	Mtrs
24	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.10 sqmm	Mtrs
25	Providing Rcc Pole pedstal of Size 0.3x0.3x0.8 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet enclosed	No.
26	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia	No.
27	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG	Sqcms
28	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm	No
29	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps	No
30	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40 Amps DP	No
31	Supplying and Fixing of. mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.Pipe	No
32	Supplying and fixing of ~~Twin Dial electro mechanical timer (without contactor)~~ micro processor Based Automatical timer switch using necessary ~~using necessary~~ bolts, nuts and washers etc.. ~~Group A~~	Each
33	a) Developing hedges by digging trenches of size 0.45x0.45m filing 50% of the trench with excavted top 1 soil and remaining (0.0224 Cum) (i.e.in the proportion of 1:2:3) Exclusive of cost plants and inclusive ingredients.	Rmt
34	b) Cost of plants (7 plants per rmt)	Rmt
35	Supplying & Planting of specimen plants - Digging pits size 0.75mx0.75mx0.75 filling up to 50% the pits with top excavated soil and remaining 50% with sand, Fym, Red earth (0,021 Cum) (ie in the proportion of 1 :2:3) and Ficus Ponda (90cm-150cm ht) including cost of plant, materials, transporation and 2 handling & planting cost)	Each
36	Supplying & Planting of specimen plants - Diging pits size 0.75mx0.75mx0.75 filling up to 50% the pits with top excavated soil and remainging 50% with sand, Fym, Red earth (0,021 Cum) (ie in the proportion of 1 :2:3) and Ficus Benamina Black (90cm 150cm ht) including cost of plant, materials, transporation and handling & planting cost)	Each
	Total	

CERTIFICATE

I certified that the above work done satisfactory and no materials issued from Department

Previous Measurement			Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Amount	Qty	Rate Rs. P.	Amount	Qty	Cost
-	-	-	230.00	11.88	2732.40	230.00	2732.40
-	-	-	150.00	76.00	11400.00	150.00	11400.00
-	-	-	80.00	20.50	1640.00	80.00	1640.00
-	-	-	8.00	115.00	920.00	8.00	920.00
-	-	-	11.00	1695.00	18645.00	11.00	18645.00
-	-	-	2.00	2999.70	5999.40	2.00	5999.40
-	-	-	70000.00	0.35	24500.00	70000.00	24500.00
-	-	-	16.00	255.00	4080.00	16.00	4080.00
-	-	-	2.00	7200.00	14400.00	2.00	14400.00
-	-	-	4.00	1336.00	5344.00	4.00	5344.00
-	-	-	7.00	835.00	5845.00	7.00	5845.00
				4030.00	8060.00		8060.00
-	-	-	2.00	4200.00	8400.00	2.00	8400.00
-	-	-	650.00	195.00	126750.00	650.00	126750.00
-	-	-	650.00	210.00	136500.00	650.00	136500.00
-	-	-	37.00	2500.00	92500.00	37.00	92500.00
-	-	-	36.00	2500.00	90000.00	36.00	90000.00
					6873647.92		
				Sub total	6873988.32		6873647.92
						Est 12%	824837.75
						total	7698485.67
						Round off	7698000.00

Assistant Executive Engineer
Kanteerava Sub Division
BP&P, Bangalore